

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L1    | 1594606 | (electronic device component die<br>dice chip semiconductor ic<br>(integrated adj circuit flipchip))<br>with (substrate carrier board<br>((printed circuit wiring circuitry)<br>with board)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 17:43 |
| L2    | 1867301 | (support supporting supported<br>supportive metal conductive<br>conduct\$3 cu metallic copper) with<br>(substrate layer carrier )  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 17:46 |
| L3    | 593463  | 1 and 2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 17:58 |
| L4    | 410389  | 1 same 2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 17:58 |
| L5    | 278624  | (electrode pad contact paddle)<br>and 4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 18:00 |
| L6    | 170741  | (electrode pad contact paddle)<br>same 4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 18:01 |
| L7    | 68766   | 6 and (ball bump pin block solder)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 18:01 |
| L8    | 36725   | (insulating insulation insulated<br>insulate)and 7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 18:03 |

## EAST Search History

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|-----|-------|---|--|----|----|------------------|
| L9  | 14944 | (package packaging packaged) and 8                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:03 |
| L10 | 13528 | 9 and (opening thru throughhole via hole)                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:05 |
| L11 | 9747  | (expose exposing exposed) and 10                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:06 |
| L12 | 7582  | (multi multilayer interconnect\$4) and 11                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:09 |
| L13 | 7356  | (side sidewall mask resist photoresist masking masked) and 12 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:10 |
| L14 | 2458  | barrier and 13  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:11 |
| L15 | 2301  | 14 and (circuit circuitry)                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:13 |
| L16 | 2067  | (electrical electrically) and 15                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/17 18:13 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L17 | 2277 | (electrical electrically conduct<br>conductive conducting) and 15 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 18:13 |
|-----|------|---|---|----|----|------------------|

## EAST Search History

| Ref # | Hits | Search Query | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------|---|------------------|---------|------------------|
| L1    | 4    | 357/778      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:28 |
| L2    | 5    | 357/737      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:28 |
| L3    | 3904 | 257/737      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |
| L4    | 5035 | 257/778      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |
| L5    | 2045 | 257/734      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |
| L6    | 3545 | 257/738      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |
| L7    | 2621 | 257/700      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |
| L8    | 1663 | 257/701      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/17 20:29 |

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|     |      |         |   |    |    |                  |
|-----|------|---------|---|----|----|------------------|
| L9  | 2658 | 257/712 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L10 | 2016 | 257/713 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L11 | 1081 | 257/717 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L12 | 943  | 257/720 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L13 | 1230 | 257/675 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L14 | 1117 | 257/696 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:29 |
| L15 | 2611 | 257/698 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:30 |
| L16 | 2855 | 257/692 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:30 |

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|     |      |          |   |    |    |                  |
|-----|------|----------|---|----|----|------------------|
| L17 | 1828 | 257/693  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:30 |
| L18 | 2174 | 257/691  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:30 |
| L19 | 0    | 257/7731 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:34 |
| L20 | 3222 | 257/773  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:34 |
| L21 | 3920 | 257/678  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:36 |
| L22 | 3903 | 257/774  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:43 |
| L23 | 2270 | 257/668  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:43 |
| L24 | 0    | 257/7798 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:43 |

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|     |      |             |   |    |    |                  |
|-----|------|-------------|---|----|----|------------------|
| L25 | 1723 | 257/779     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:49 |
| L26 | 1    | 257/e23.006 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:50 |
| L27 | 6    | 257/e23.011 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:51 |
| L28 | 2    | 257/e23.061 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:51 |
| L29 | 3    | 257/e23.062 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:51 |
| L30 | 3    | 257/e23.063 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/17 20:51 |